

## Anti-TGF alpha/TGFA Antibody Picoband®

Catalog Number: PA1360

### About TGFA

Transforming growth factor alpha (TGF-alpha) is upregulated in some human cancers. It is produced in macrophages, brain cells, and keratinocytes, and induces epithelial development. It is closely related to EGF, and can also bind to the EGF receptor with similar effects. TGFalpha stimulates neural cell proliferation in the adult injured brain. TGFalpha was cited in the 2001 NIH Stem Cell report to the U.S. Congress as promising evidence for the ability of adult stem cells to restore function in neurodegenerative disorders.

### Overview

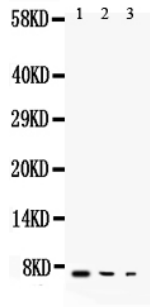
Product Name	Anti-TGF alpha/TGFA Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-TGF alpha/TGFA Antibody catalog # PA1360. Tested in WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P01135

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human TGF alpha, different from the related mouse and rat sequences by one amino acid.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins

Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.1-0.5ug/ml, Human, Mouse, Rat

## Anti-TGF alpha/TGFA Antibody Picoband® (PA1360) Images



Anti-TGF alpha antibody, PA1360, Western blotting All lanes:  
Anti TGF alpha (PA1360) at 0.5ug/ml Lane 1: Recombinant  
Human TGF a Protein 10ng Lane 2: Recombinant Human TGF  
a Protein 5ng Lane 3: Recombinant Human TGF a Protein  
2.5ng Predicted bind size: 6KD Observed bind size: 6KD

## 3 Publications Citing This Product

1. PubMed ID: 24367598, Ruan Gp, Xu F, Li Za, Zhu Gx, Pang Rq, Wang Jx, Cai Xm, He J, Yao X, Ruan Gh, Xu Xm, Pan Xh. Plos One. 2013 Dec 18;8(12):E83507. Doi: 10.1371/Journal.Pone.0083507. Ecollection 2013. Induced Autologous Stem Cell Transplantation For Treatment Of Rab...
2. PubMed ID: 25664038, Li Xn, Pan X, Qiu D. Int J Clin Exp Med. 2014 Dec 15;7(12):5324-9. Ecollection 2014. Imbalances Of Th17 And Treg Cells And Their Respective Cytokines In Copd Patients By Disease Stage.
3. PubMed ID: 19935079, Zhang W, Chen Dq, Qi F, Wang J, Xiao Wy, Zhu Wz. J Cardiovasc Pharmacol. 2010 Jan;55(1):96-105. Doi: 10.1097/Fjc.0B013E3181C9548B. Inhibition Of Calcium-Calmodulin-Dependent Kinase Ii Suppresses Cardiac Fibroblast Proliferation And Extracellular M...

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